PRIORITY

25X1

CORONA

TOP SECRET 132204Z

1. IN ANSWER TO PARA 2 OF REF. [ ] NCLUDES AS A PARAMETER

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FOR MENSURATION PURPOSES SCAN VELOCITIES IN RADIANS/SECOND.

UNTIL SUCH TIME WHEN THIS CAN BE INCLUDED AS OUTPUT ALONG WITH

EPHEMERAL DATA FROM OUR OWN DATA REDUCTION PROCEDURES, SCAN

VELOCITY WILL CONTINUE TO BE COMPUTED FROM A GRAPHICAL REPRES-

ENTATION OF THE ACCELERATION CURVE, I.E. RAMP GRAPH.

2. IF THE RAMPS USED PER CAMERA PER MISSION ARE PLOTTED,

NORMALLY SIX TO EIGHT GRAPHS, ALL ONE NEEDS IS TIME UP RAMP FOR

"CAMERA ON" LOCATION AND ELAPSED TIME TO THE PARTICULAR FRAME

OF INTEREST. IF RAMPS ARE REPRESENTED AS THEY WERE FOR MISSION

9053, A GRAPH PER CAMERA PER PASS HAD TO BE PLOTTTED. THIS

AMOUNTED TO 61 GRAPHS.

3. SCAN VELOCITIES CAN ALSO BE DETERMINED BY COUNTING

FREQUENCY MARKS IF THEY SHOW ON THE FILM OR BY USING THE DIFFER-

ENCE IN BINARY TIME FROM ONE FRAME TO THE NEXT AS CYCLE PERIOD

AND COMPUTING THE SCAN VELOCITY FROM THIS. HOWEVER, THIS WOULD

NECESSITATE MANUAL READOUT OF THE BINARY CLOCK AND ASSUMING THE

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BINARY CLOCK READOUT WAS WITHOUT ERROR.   THE CORRECTED BINARY

READOUT IS NOT AVAILABLE ON A TIMELY BASIS THUS NOT USEFUL FOR

IMMEDIATE EXPLOITTATION OF THE FILM.

T O P S E C R T

END OF MESSAGE